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Date of Signature and Deposit: January 26, 2005

Sara D. Vinarov



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Arthur M. Glenberg
Michael P. Kaschak
Tiana Gutierrez
Sandra Japuntich
Joel R. Levin

Date: January 26, 2005

Serial No.: 10/607,660

Group Art Unit: 3713

Filed: 06/27/2003

Examiner:

Title: METHOD FOR ENHANCING
READING COMPREHENSION

File No.: 960296.00082

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P O Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is a completed Form PTO-1449 listing documents that the applicants in the above-identified application wish to bring to the attention of the Examiner for consideration in connection with the examination on the merits of this application.

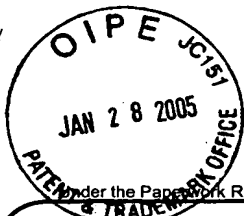
No fee is believed due in connection with this submission. However, if a fee is due, please charge the fee to Deposit Account No. 17-0055.

Respectfully submitted,

A handwritten signature in black ink, appearing to be "Sara D. Vinarov".

Sara D. Vinarov
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| | | Application Number | 10/607,660 |
| | | Filing Date | 06/27/2003 |
| | | First Named Inventor | Arthur M. Glenberg |
| | | Art Unit | 3713 |
| | | Examiner Name | |
| Sheet 1 | of 3 | Attorney Docket Number | 960296.00082 |

| OTHER PRIOR ART–NON PATENT LITERATURE DOCUMENTS | | | |
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| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | Barsalou, L.W., "Perceptual symbol systems," Behavioral and Brain Sciences (1999) 22:577-660 | |
| | | Barsalou, L.W., et al., "Perceptual Simulation in Conceptual Tasks," Cultural, typological, and psychological perspectives in cognitive linguistics: The proceedings of the 4th conference of the International Cognitive Linguistics Association (1999) | |
| | | Bender, B.G., et al., "Motor Activity, Anticipated Motor Activity, and Young Children's Associative Learning," Child Development (1976) 47:560-562 | |
| | | Burgess, C., et al., "Modelling Parsing Constraints with High-dimensional Context Space," Language and Cognitive Processes (1997) 12:177-210 | |
| | | Chambers, C.G., et al., "Circumscribing Referential Domains during Real-Time Language Comprehension," Journal of Memory and Language (2002) 47:30-49 | |
| | | Collins, A.M., et al., "A Spreading-Activation Theory of Semantic Processing," Psychological Review (1975) 82:407-428 | |
| | | Edelman, G.M., "Bright Air, Brilliant Fire, On the Matter of the Mind," (1992) New York Penguin | |
| | | Gibson, J.J., "The ecological approach to visual perception," (1979) New York: Houton Mifflin | |
| | | Glenberg, A.M., "What memory is for," (1997) Behavioral and Brain Sciences 20:1-55 | |
| | | Glenberg, A.M., et al., "Grounding language in action," (2002) Psychonomic Bulletin & Review 9:558-565 | |

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| Sheet | 2 | of | 3 |

| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS | | | |
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| | | Glenberg, A.J., et al., "Symbol Grounding and Meaning: A Comparison of High-Dimensional and Embodied Theories of Meaning," (2000) Journal of Memory and Language 43:379-401 | |
| | | Harnad, S., "The symbol grounding problem," Physica D. (1990) 42:335-346 | |
| | | Kaschak, M.P., et al., "Constructing Meaning: The Role of Affordances and Grammatical Constructions in Sentence Comprehension," (2000) Journal of Memory and Language 43:508-529 | |
| | | Kintsch, W., "The Role of Knowledge in Discourse Comprehension: A Construction-Integration Model," (1988) Psychological Review 95:163-182 | |
| | | Lakoff, G., "Women, Fire, and Dangerous Things: What Categories Reveal about the Mind," (1987) Chicago: University of Chicago Press | |
| | | Landauer, T.K., et al., "A Solution to Plato's Problem: The Latent Semantic Analysis Theory of Acquisition, Induction, and Representation of Knowledge," (1997) Psychological Review 104:211-240 | |
| | | Lesgold, A.M., et al., "Pictures and Young Children's Prose Learning: A Supplementary Report," (1977) Journal of Reading Behavior 9:353-360 | |
| | | Lesgold, A.M., et al., "Pictures and Young Children's Learning From Oral Prose," (1975) Journal of Educational Psychology 67:636-642 | |
| | | Levin, J.R., "Four Cognitive Principles of Learning-Strategy Instruction," (1986) Educational Psychologist 21:3-17 | |
| | | Masson, M.E.J., "A Distributed Memory Model of Semantic Priming," (1995) Journal of Experimental Psychology: Learning, Memory, and Cognition 21:3-23 | |
| | | Newell, A., "Physical Symbol Systems," (1980) Cognitive Science 4:135-183 | |

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| | | Nilsson, L.G., et al., "Activity in motor areas while remembering action events," (2000) NeuroReport 11:2199-2201 | |
| | | Noice, H., et al., "Learning dialogue with and without movement," (2001) Memory & Cognition 29:820-827 | |
| | | Pecher, D., et al., "Verifying Different-Modality Properties for Concepts Produces Switching Costs," (2003) Psychological Science 14:119-124 | |
| | | Putnam, H., "Reason, Truth and History," (1981) Cambridge: Cambridge University Press | |
| | | Rubman, C.N., et al., "A, B Seeing: The Role of Constructive Processes in Children's Comprehension Monitoring," (2000) 92:503-514 | |
| | | Schank, R.C., et al., "Scripts, Plans, Goals and Understanding: An Inquiry into Human Knowledge Structures," (1977) Hillsdale NJ: Erlbaum | |
| | | Searle, J.R., "Minds, brains, and programs," (1980) The Behavioral and Brain Sciences 3:417-457 | |
| | | Stanfield, R.A., et al., "The Effect of Implied Orientation Derived from Verbal Context on Picture Recognition," (2001) Psychological Science 12:153-156 | |
| | | Van Meter, P., "Drawing Construction as a Strategy for Learning From Text," (2001) Journal of Educational Psychology 93:129-140 | |
| | | Varley, W.H., et al., "Traniing Imagery Production in Young Children Through Motor Involvement," (1974) Journal of Educational Psychology 66: 262-266 | |
| | | Wolff, P., et al., "The Role of Overt Activity in Children's Imagery Production," (1972) Child Development 43:537-547 | |

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